# West Neptune

The West Neptune is a 6th generation ultra-deepwater drillship with operational history in the U.S. Gulf of Mexico.

For additional information, please contact: Seadrill Marketing www.seadrill.com

## General (U.S.)

<table>
<thead>
<tr>
<th>Built</th>
<th>2014 Samsung Heavy Industries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Samsung 12,000</td>
</tr>
<tr>
<td>Flag / Class</td>
<td>Panama / DNV</td>
</tr>
<tr>
<td>Dimensions</td>
<td>748 ft long / 137.8 ft wide</td>
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<tr>
<td>Drafts</td>
<td>39.4 ft drilling / 27.9 ft transit</td>
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<tr>
<td>Displacements</td>
<td>106,000 ST drilling / 71,500 ST transit</td>
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<tr>
<td>Variable Load</td>
<td>22,047 ST drilling / 18,188 ST transit</td>
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<tr>
<td>Accommodations</td>
<td>200 persons</td>
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<tr>
<td>Heideck</td>
<td>Sikorsky S-92, MIL-Mi-8</td>
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<tr>
<td>Max Water Depth</td>
<td>12,000 ft designed / 10,000 ft outfitted</td>
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<tr>
<td>Max Drilling Depth</td>
<td>37,500 ft</td>
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</tbody>
</table>

## Station Keeping

| Dynamic Positioning        | Kongsberg Dynpos-Autro Class 3 |
| Thrusters                  | 6x Rolls Royce 6,035 HP azimuthing |
| Transit Speed              | Up to 11.5 knots                |
| Mooring Lines              | Harbor mooring only             |
| Mooring Winches            | Harbor mooring only             |

## Storage Capacities

| Fuel                       | 37,793 bbl                     |
| Drilling Water             | 15,362 bbl                     |
| Potable Water              | 9,132 bbl                      |
| Active Liquid Mud          | 6,544 bbl                      |
| Reserve Liquid Mud         | 9,435 bbl                      |
| Bulk Bentonite/Barite      | 15,962 ft³                     |
| Bulk Cement                | 15,962 ft³                     |

## Drilling Package

- **Derrick**: Dual NOV 210 ft tall with 80 ft x 60 ft base, 1,250 + 1,000 ST gross nominal capacity
- **Top Drive**: 1x EA Main + Aux NOV TDX 1250 rated for 1,250 ST hoisting capacity, 2x 1,340 HP AC motors, max continuous torque 105,000 ft-lbs at 125 RPM
- **Draffworks**: Main: NOV Drec w/ 2” drill line max line pull 16 lines of 1,250 ST Aux: NOV Drec w/ 2” drill line max line pull 14 lines 1,000 ST
- **Rotary Table**: Main: Varco RST 75.5” Aux: Varco RST 60.5”
- **Compensator**: Main: NOV crown mounted rated for 766 ST compensated, 1,250 ST static Aux: NOV crown mounted rated for 500 ST compensated, 1,000 ST static

## Tubular Handling

- **BOP**: NOV automated hydraulacker
- **Mud Pumps**: 4x NOV 14-P-220 2,200 HP
- **HP Mud System**: Rated for 7,500 PSI
- **Shale Shakers**: 6x NOV VSM 300

## Subsea Equipment

| BOP                        | 2x NOV 18 ¾” 7 RAM 15,000 psi |
| Annular                   | 2x Shaffer 18 ¾” 10,000 psi   |
| Diverter                   | Shaffer max bore 21-1/4”      |
| Wellhead Connector         | Drill-Quip DX-DW dressed for 27” wellhead |
| Riser                      | Shaffer 90 FT length 21” OD, 4” ID boost line |
| Tensioners                | 8x dual Shaffer 112.5 ST capacity ea 50 FT line travel |

## Cranes

| Primary Cranes             | 3x NOV Hydralift knuckle boom rated for 93.6 ST at 62.3 ft radius |
| X-Mas Tree Crane           | NOV Heave Compensated Knuckle Boom rated for 181.9 ST at 59 FT |

## Power

| Main Engines               | 6x Himsen 16H32/40V 10,877 HP diesel engines |
| Main Generators            | 6x ABB 9,387 HP @ 0.8 p.f. |
| Emergency Power            | 1x MTU 2,145 HP diesel engine 1x Leroy Somer 1,350 kW generator @ 0.8 p.f. |

The above information is intended for general reference only. All equipment and specifications are subject to change at any time.

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### General (Metric)

**Built** ........................................ 2014 Samsung Heavy Industries  
**Design** ........................................ Samsung 12,000  
**Flag / Class** .................................... Panama / DNV  
**Dimensions** .................................... 228 m Long / 42 m Wide  
**Drafts** ......................................... 12 m Drilling / 8.5 m Transit  
**Displacements** ................................. 96,189 MT Drilling / 64,882 MT Transit  
**Variable Load** ................................ 20,000 MT Drilling / 16,500 MT Transit  
**Accommodations** .............................. 200 Persons  
**Helideck** ...................................... Sikorsky S-92, MIL-Mi-8  
**Max water depth** .............................. 3,660 m designed / 3,048 m outfitted  
**Max drilling depth** ............................ 11,433 m

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### Station Keeping

**Dynamic positioning** .................... Kongsberg Dynaos-Autro Class 3  
**Thrusters** ...................................... 6x Rolls Royce 4,500 kw azimuthing  
**Transit speed** ................................. Up to 5.9 m/s  
**Mooring lines** .................................. Harbor mooring only  
**Mooring winches** ............................. Harbor mooring only

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### Storage Capacities

**Fuel** ........................................ 6,009 m³  
**Drill water** ................................... 2,442 m³  
**Potable water** ................................ 1,452 m³  
**Active liquid mud** .......................... 1,040 m³  
**Reserve liquid mud** ....................... 11,500 m³  
**Bulk Bentonite/Barite** .................... 452 m³  
**Bulk cement** .................................. 452 m³

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### Drilling Package

**Derrick** ........................................ Dual NOV 64 M tall with 24.4 m x 18.3 m base 1,134 + 907 MT gross nominal capacity  
**Top drive** ..................................... 1x EA Main + Aux NOV TDX 1250 rated for 1,134 MT hoisting capacity, 2x 999 kW AC motors, max continuous torque 142,360 Nm at 125 RPM  
**Drawworks** ...................................... Main: NOV Denco w/ 50.8 mm drill line max line pull 16 lines of 1,134 MT Aux: NOV Denco w/50.8 mm drill line max line pull 14 lines 907 MT  
**Rotary Table** ................................. Main: Varco RST 755 Aux: Varco RST 605  
**Compensator** ................................... Rated for 695 MT compensated, 1,134 MT static  
**Aux: NOV Crown mounted** .......................... Rated for 454 MT compensated, 907 MT static  
**Tubular handling** ............................ NOV automated hydralarker  
**Mud pumps** .................................... 4x NOV 14-P-220, 1,640 kW  
**HP mud system** ............................... Rated for 517 bar  
**Shale shakers** ................................. 6x NOV VSM 300

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### Subsea Equipment

**BOP** ........................................... 2x NOV 47.625 CM 7 RAM 1,034 bar  
**Annular** ...................................... 2x Shaffer DL 47.625 CM 689 bar  
**Diverter** ....................................... Shaffer Max Bore 0.53975 m  
**Wellhead connector** ....................... Drill-Quip DX-DW dressed for 68.54 CM wellhead  
**Riser** .......................................... Shaffer 27.43 m length 0.5334 m OD  
**10.16 ID boost line** .......................... 165 m line travel  
**Tensioners** .................................. 8x Dual Shaffer 102 MT capacity EA  
**15.24 m line travel**

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### Cranes

**Primary cranes** .............................. 3x NOV Hydralift Knuckle Boom rated for 85 MT at 19 m radius  
**X-Mas tree crane** ............................. NOV Heave Compensated Knuckle Boom rated for 165 MT at 18 m

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### Power

**Main engines** ................................. 6x Himesen 16H32/40V 8,000 kW Diesel Engines  
**Main generators** ............................. 6x ABB 7,000 kW @ 0.8 p.f.  
**Emergency power** ............................ 1x MTU 1,600 kW Diesel engine  
**1x Leroy Somer 1,350 kW generator @ 0.8 p.f.**

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